

METHOD AND APPARATUS FOR ACCURACY-AWARE ANALYSIS

Abstract

A method for accuracy-aware analysis of a program involving obtaining source code for the program comprising a floating point variable, instrumenting the source code to associate an accuracy-aware tracking structure with the floating-point variable to obtain instrumented source code, compiling to instrumented source code to obtain instrumented compiled code, and executing the instrumented compiled code, wherein executing the instrumented compiled code comprises using the accuracy-aware tracking structure to track an operation on the floating-point variable.

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